



PRODUCT DESCRIPTION



株洲利华硬质合金有限公司
Zhuzhou Lihua Cemented Carbide Co.,Ltd

Add: Building B-11, E-commerce Industrial Park, Xinma South, Road, Tianyuan Zone, Zhuzhou, Hunan, China

Email: hongda@lihuacarbide.com or coco@lihuacarbide.com

Mobile/WhatsApp: 13973352165

Sales Manager : Coco Su

Company Brief



About Lihua Cemented Carbide

Established in 1990, specialized in carbide production more than 20 years and located in Zhuzhou city which is the home town of tungsten carbide in China .

Main Market:

Asia-India, Turkey, Vietnam, Thailand, Iran; Europe-Italy, Portugal, German, Poland, Spain, Netherland, Swizerland, Swiden; USA , Mexico , Canada, Peru , Brazil , Australia ,South Africa etc .

Main Products:

Carbide Screwed tool holder, Milling head, Plates, Rods, Sticks, Spray Nozzles, Milling Tools, Drawing Dies, 3D Printer Nozzles, Saw Blades, End Mills, Rotary Burrs, Drill Bits, CNC inserts, Bushings, Valve Seats, Customized cutter: woodworking tools metalworking cutter, V-cutter, Textile Cutter, Shoes Cutter etc.



• Capacity

15 Ton Per Month

Equipment

Such as Sintering Furnace, Automatic suppress Machine, Manual Hydraulic Suppress Machine, Ball Mill Machine, Drying Machine, Mixing Machine, CNC Milling & Turning Machine etc,



• QC

ISO9001 ,SGS

• Shipping

2 working days for stocks

5-15 working days for non standard product

High-Pressure TC Tips

Benefits

- Ideal for paint spraying and the application of sealants and protective coatings in automotive manufacturing
- Erosion-resistant tungsten carbide orifice insert provides longer wear life than standard stainless steel tips
- Excellent corrosion resistance
- High-impact flat spray pattern with tapered edges provides even coverage when sprays overlap
- Tip orifice insert is recessed in a solid stainless steel tip body to protect against damage

Specifications

Maximum pressure: 3000 psi (207 bar)

Spray pattern: Flat spray

Materials: Stainless steel with tungsten carbide orifice insert



High-Pressure TC Tips Performance Data

Spray Angle at 3 bar	Spray Tip Number	Equiv. Orifice Dia. (mm)	Capacity* (liters per minute)				Approx.** Spray Pattern Width (cm) (at 30 cm distance)
			50 bar	100 bar	150 bar	200 bar	
110°	1100017-TC	.28	.27	.39	.47	.55	39
	1100025-TC	.33	.40	.57	.70	.81	42
	1100033-TC	.38	.53	.75	.92	1.1	43
	1100039-TC	.41	.63	.89	1.1	1.3	46
	1100050-TC	.46	.81	1.1	1.4	1.6	48
	1100067-TC	.53	1.1	1.5	1.9	2.2	53
	1100080-TC	.58	1.3	1.8	2.2	2.6	56
	11001-TC	.66	1.6	2.3	2.8	3.2	58
	110015-TC	.79	2.4	3.4	4.2	4.8	63
	11002-TC	.91	3.2	4.6	5.6	6.4	66
	11003-TC	1.1	4.8	6.8	8.4	9.7	68

Spray Angle at 3 bar	Spray Tip Number	Equiv. Orifice Dia. (mm)	Capacity* (liters per minute)				Approx.** Spray Pattern Width (cm) (at 30 cm distance)
			50 bar	100 bar	150 bar	200 bar	
110°	11004-TC	1.3	6.4	9.1	11.2	12.9	71
	11005-TC	1.4	8.1	11.4	14.0	16.1	71
	110053-TC	1.5	8.5	12.1	14.8	17.1	71
	11006-TC	1.6	9.7	13.7	16.7	19.3	71
	11007-TC	1.7	11.3	16.0	19.5	23	71
	11008-TC	1.8	12.9	18.2	22	26	71
	11009-TC	1.9	14.5	21	25	29	71
	11010-TC	2.0	16.1	23	28	32	71
	11011-TC	2.2	17.7	25	31	35	71
	11012-TC	2.3	19.3	27	33	39	71
	95°	950017-TC	.28	.27	.39	.47	.55

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High-Pressure TC Tips Performance Data

Spray Angle at 3 bar	Spray Tip Number	Equiv. Orifice Dia. (mm)	Capacity* (liters per minute)				Approx.** Spray Pattern Width (cm) (at 30 cm distance)
			50 bar	100 bar	150 bar	200 bar	
95°	950025-TC	.33	.40	.57	.70	.81	36
	950033-TC	.38	.53	.75	.92	1.1	38
	950039-TC	.41	.63	.89	1.1	1.3	40
	950044-TC	.43	.71	1.0	1.2	1.4	41
	950050-TC	.46	.81	1.1	1.4	1.6	43
	950067-TC	.53	1.1	1.5	1.9	2.2	48
	950080-TC	.58	1.3	1.8	2.2	2.6	48
	9501-TC	.66	1.6	2.3	2.8	3.2	53
	95015-TC	.79	2.4	3.4	4.2	4.8	53
	9502-TC	.91	3.2	4.6	5.6	6.4	56
	9503-TC	1.1	4.8	6.8	8.4	9.7	56
	9504-TC	1.3	6.4	9.1	11.2	12.9	58
	9505-TC	1.4	8.1	11.4	14.0	16.1	58
	9506-TC	1.6	9.7	13.7	16.7	19.3	58
	9507-TC	1.7	11.3	16.0	19.5	23	58
	9508-TC	1.8	12.9	18.2	22	26	58
	9509-TC	1.9	14.5	21	25	29	58
	9510-TC	2.0	16.1	23	28	32	58
	9511-TC	2.2	17.7	25	31	35	58
	9512-TC	2.3	19.3	27	33	39	58
9513-TC	2.3	21	30	36	42	58	
9514-TC	2.4	23	32	39	45	58	
9515-TC	2.5	24	34	42	48	58	
9516-TC	2.5	26	36	45	52	58	
9518-TC	2.6	29	41	50	58	58	
9520-TC	2.8	32	46	56	64	58	
80°	800011-TC	.23	.18	.25	.31	.35	27
	800017-TC	.28	.27	.39	.47	.55	29
	800025-TC	.33	.40	.57	.70	.81	31
	800033-TC	.38	.53	.75	.92	1.1	33
	800039-TC	.41	.63	.89	1.1	1.3	36
	800050-TC	.46	.81	1.1	1.4	1.6	38
	800067-TC	.53	1.1	1.5	1.9	2.2	43
	800080-TC	.58	1.3	1.8	2.2	2.6	43
	8001-TC	.66	1.6	2.3	2.8	3.2	48
	80015-TC	.79	2.4	3.4	4.2	4.8	48
	8002-TC	.91	3.2	4.6	5.6	6.4	48
	8003-TC	1.1	4.8	6.8	8.4	9.7	48
	8004-TC	1.3	6.4	9.1	11.2	12.9	48
	8005-TC	1.4	8.1	11.4	14.0	16.1	48
	8006-TC	1.6	9.7	13.7	16.7	19.3	48
	8007-TC	1.7	11.3	16.0	19.5	23	48

Spray Angle at 3 bar	Spray Tip Number	Equiv. Orifice Dia. (mm)	Capacity* (liters per minute)				Approx.** Spray Pattern Width (cm) (at 30 cm distance)
			50 bar	100 bar	150 bar	200 bar	
80°	8008-TC	1.8	12.9	18.2	22	26	48
	8009-TC	1.9	14.5	21	25	29	48
	8010-TC	2.0	16.1	23	28	33	48
	8011-TC	2.1	17.7	25	31	35	48
	8012-TC	2.2	19.3	27	33	39	48
	8013-TC	2.3	21	30	36	42	48
	8014-TC	2.4	23	32	39	45	48
	8015-TC	2.5	24	34	42	48	48
73°	730023-TC	.30	.37	.52	.64	.74	29
	730039-TC	.41	.63	.89	1.1	1.3	33
	730044-TC	.43	.71	1.0	1.2	1.4	33
	730050-TC	.46	.81	1.1	1.4	1.6	33
	730154-TC	.79	2.5	3.5	4.3	5.0	33
65°	650008-TC	.18	.13	.18	.22	.26	21
	650011-TC	.23	.18	.25	.31	.35	23
	650017-TC	.28	.27	.39	.47	.55	25
	650025-TC	.33	.40	.57	.70	.81	26
	650033-TC	.38	.53	.75	.92	1.1	27
	650039-TC	.41	.63	.89	1.1	1.3	30
	650044-TC	.43	.71	1.0	1.2	1.4	32
	650050-TC	.46	.81	1.1	1.4	1.6	33
	650055-TC	.48	.88	1.3	1.5	1.8	33
	650067-TC	.53	1.1	1.5	1.9	2.2	38
	650080-TC	.58	1.3	1.8	2.2	2.6	38
	6501-TC	.66	1.6	2.3	2.8	3.2	40
	65015-TC	.79	2.4	3.4	4.2	4.8	40
	6502-TC	.91	3.2	4.6	5.6	6.4	40
	6503-TC	1.1	4.8	6.8	8.4	9.7	40
	6504-TC	1.3	6.4	9.1	11.2	12.9	40
	6505-TC	1.4	8.1	11.4	14.0	16.1	40
	6506-TC	1.6	9.7	13.7	16.7	19.3	40
	6507-TC	1.7	11.3	16.0	19.5	23	40
	6508-TC	1.8	12.9	18.2	22	26	40
6509-TC	1.9	14.5	21	25	29	40	
6510-TC	2.0	16.1	23	28	32	40	
6511-TC	2.1	17.7	25	31	35	40	
6512-TC	2.2	19.3	27	33	39	40	
6513-TC	2.3	21	30	36	42	40	
6514-TC	2.4	23	32	39	45	40	
6515-TC	2.5	24	34	42	48	40	
6517-TC	2.6	27	39	47	55	40	
6520-TC	2.7	32	46	56	64	40	

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High-Pressure TC Tips Performance Data

Spray Angle at 3 bar	Spray Tip Number	Equiv. Orifice Dia. (mm)	Capacity* (liters per minute)				Approx.** Spray Pattern Width (cm) (at 30 cm distance)
			50 bar	100 bar	150 bar	200 bar	
50°	500004-TC	.13	.06	.09	.11	.13	17
	500006-TC	.15	.10	.14	.17	.19	18
	500008-TC	.18	.13	.18	.22	.26	19
	500011-TC	.23	.18	.25	.31	.35	20
	500017-TC	.28	.27	.39	.47	.55	21
	500025-TC	.33	.40	.57	.70	.81	22
	500033-TC	.38	.53	.75	.92	1.1	25
	500039-TC	.41	.63	.89	1.1	1.3	26
	500044-TC	.43	.71	1.0	1.2	1.4	26
	500050-TC	.46	.81	1.1	1.4	1.6	28
	500055-TC	.48	.88	1.3	1.5	1.8	28
	500067-TC	.53	1.1	1.5	1.9	2.2	30
	500080-TC	.58	1.3	1.8	2.2	2.6	33
	5001-TC	.66	1.6	2.3	2.8	3.2	35
	50015-TC	.79	2.4	3.4	4.2	4.8	35
	5002-TC	.91	3.2	4.6	5.6	6.4	35
	5003-TC	1.1	4.8	6.8	8.4	9.7	35
	5004-TC	1.3	6.4	9.1	11.2	12.9	35
	5005-TC	1.4	8.1	11.4	14.0	16.1	35
	5006-TC	1.6	9.7	13.7	16.7	19.3	35
5007-TC	1.7	11.3	16.0	19.5	23	35	
5008-TC	1.8	12.9	18.2	22	26	35	
5010-TC	2.0	16.1	23	28	32	35	
5015-TC	2.5	24	34	42	48	35	
40°	400004-TC	.13	.06	.09	.11	.13	16
	400006-TC	.15	.10	.14	.17	.19	16
	400008-TC	.18	.13	.18	.22	.26	16
	400011-TC	.23	.18	.25	.31	.35	17
	400017-TC	.28	.27	.39	.47	.55	19
	400025-TC	.33	.40	.57	.70	.81	20
	400033-TC	.38	.53	.75	.92	1.1	21
	400039-TC	.41	.63	.89	1.1	1.3	22
	400044-TC	.43	.71	1.0	1.2	1.4	24
	400050-TC	.46	.81	1.1	1.4	1.6	25
	400055-TC	.48	.88	1.3	1.5	1.8	25
	400067-TC	.53	1.1	1.5	1.9	2.2	27
	400080-TC	.58	1.3	1.8	2.2	2.6	27
	4001-TC	.66	1.6	2.3	2.8	3.2	30
	40013-TC	.74	2.1	3.0	3.6	4.2	30
	40015-TC	.79	2.4	3.4	4.2	4.8	30
	4002-TC	.91	3.2	4.6	5.6	6.4	30
	4003-TC	1.1	4.8	6.8	8.4	9.7	30

Spray Angle at 3 bar	Spray Tip Number	Equiv. Orifice Dia. (mm)	Capacity* (liters per minute)				Approx.** Spray Pattern Width (cm) (at 30 cm distance)	
			50 bar	100 bar	150 bar	200 bar		
40°	4004-TC	1.3	6.4	9.1	11.2	12.9	30	
	4005-TC	1.4	8.1	11.4	14.0	16.1	30	
	4006-TC	1.6	9.7	13.7	16.7	19.3	30	
	4007-TC	1.7	11.3	16.0	19.5	23	30	
	4008-TC	1.8	12.9	18.2	22	26	30	
	4009-TC	1.9	14.5	21	25	29	30	
	4010-TC	2.0	16.1	23	28	32	30	
	4011-TC	2.1	17.7	25	31	35	30	
	4015-TC	2.5	24	34	42	48	30	
	25°	250004-TC	.13	.06	.09	.11	.13	12
		250006-TC	.15	.10	.14	.17	.19	12
250008-TC		.18	.13	.18	.22	.26	13	
250011-TC		.23	.18	.25	.31	.35	13	
250017-TC		.28	.27	.39	.47	.55	15	
250025-TC		.33	.40	.57	.70	.81	15	
250033-TC		.38	.53	.75	.92	1.1	17	
250039-TC		.41	.63	.89	1.1	1.3	17	
250050-TC		.46	.81	1.1	1.4	1.6	17	
250055-TC		.48	.88	1.3	1.5	1.8	17	
250067-TC		.53	1.1	1.5	1.9	2.2	20	
250080-TC		.58	1.3	1.8	2.2	2.6	21	
2501-TC		.66	1.6	2.3	2.8	3.2	22	
25015-TC		.79	2.4	3.4	4.2	4.8	22	
2502-TC		.91	3.2	4.6	5.6	6.4	22	
2503-TC		1.1	4.8	6.8	8.4	9.7	22	
2504-TC		1.3	6.4	9.1	11.2	12.9	22	
2505-TC		1.4	8.1	11.4	14.0	16.1	22	
2506-TC		1.6	9.7	13.7	16.7	19.3	22	
2508-TC		1.8	12.9	18.2	22	26	22	
2510-TC	2.0	16.1	23	28	32	22		
15°	150004-TC	.13	.06	.09	.11	.13	10	
	150006-TC	.15	.10	.14	.17	.19	10	
	150008-TC	.18	.13	.18	.22	.26	11	
	150011-TC	.23	.18	.25	.31	.35	11	
	150017-TC	.28	.27	.39	.47	.55	12	
	150025-TC	.33	.40	.57	.70	.81	12	
	150033-TC	.38	.53	.75	.92	1.1	13	
	150039-TC	.41	.63	.89	1.1	1.3	15	
	150044-TC	.43	.71	1.0	1.2	1.4	15	
	150050-TC	.46	.81	1.1	1.4	1.6	15	
	150067-TC	.53	1.1	1.5	1.9	2.2	16	
150080-TC	.58	1.3	1.8	2.2	2.6	17		

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High-Pressure TC Tips Performance Data

Spray Angle at 3 bar	Spray Tip Number	Equiv. Orifice Dia. (mm)	Capacity* (liters per minute)				Approx.** Spray Pattern Width (cm) (at 30 cm distance)
			50 bar	100 bar	150 bar	200 bar	
15°	1501-TC	.66	1.6	2.3	2.8	3.2	17
	15015-TC	.79	2.4	3.4	4.2	4.8	17
	1502-TC	.91	3.2	4.6	5.6	6.4	17
	1503-TC	1.1	4.8	6.8	8.4	9.7	17
	1504-TC	1.3	6.4	9.1	11.2	12.9	17
	1505-TC	1.4	8.1	11.4	14.0	16.1	17
	1506-TC	1.6	9.7	13.7	16.7	19.3	17
	1507-TC	1.7	11.3	16.0	19.5	23	17
	1508-TC	1.8	12.9	18.2	22	26	17
	1510-TC	2.0	16.1	23	28	32	17
	1515-TC	2.5	24	34	42	48	17
10°	100004-TC	.13	.06	.09	.11	.13	7
	100006-TC	.15	.10	.14	.17	.19	7
	100008-TC	.18	.13	.18	.22	.26	9
	100011-TC	.23	.18	.25	.31	.35	9
	100017-TC	.28	.27	.39	.47	.55	10
	100025-TC	.33	.40	.57	.70	.81	10
	100033-TC	.38	.53	.75	.92	1.1	11
	100039-TC	.41	.63	.89	1.1	1.3	12

Spray Angle at 3 bar	Spray Tip Number	Equiv. Orifice Dia. (mm)	Capacity* (liters per minute)				Approx.** Spray Pattern Width (cm) (at 30 cm distance)	
			50 bar	100 bar	150 bar	200 bar		
10°	100050-TC	.46	.81	1.1	1.4	1.6	12	
	100067-TC	.53	1.1	1.5	1.9	2.2	13	
	100080-TC	.58	1.3	1.8	2.2	2.6	13	
	1001-TC	.66	1.6	2.3	2.8	3.2	15	
	10015-TC	.79	2.4	3.4	4.2	4.8	15	
	1002-TC	.91	3.2	4.6	5.6	6.4	15	
	5°	050004-TC	.13	.06	.09	.11	.13	6
		050008-TC	.18	.13	.18	.22	.26	6
050011-TC		.23	.18	.25	.31	.35	6	
050017-TC		.28	.27	.39	.47	.55	7	
050025-TC		.33	.40	.57	.70	.81	7	
050033-TC		.38	.53	.75	.92	1.1	8	
050039-TC		.41	.63	.89	1.1	1.3	10	
050050-TC		.46	.81	1.1	1.4	1.6	10	
050067-TC		.53	1.1	1.5	1.9	2.2	10	
0501-TC		.66	1.1	1.5	1.9	2.2	10	
05015-TC		.79	2.4	3.4	4.2	4.8	10	
0502-TC		.91	3.2	4.6	5.6	6.4	10	
0503-TC		1.1	4.8	6.8	8.4	9.7	10	

* Tabulated capacities based on water.

** Spray pattern diameter is based on liquid with viscosity of 20 seconds, #4 Zahn Cup spraying at 1600 psi (110 bar). Coverage will vary with viscosities and pressures.

Dimensions & Weights

	A	B	Net Weight
	9.5 mm	15 mm	.01 kg

Based on largest/lightest version of each type.

Ordering Information

High-Pressure TC Spray Tip			
T	P	15	04 - TC
Tip Code	Spray Angle	Capacity Size	Material Code



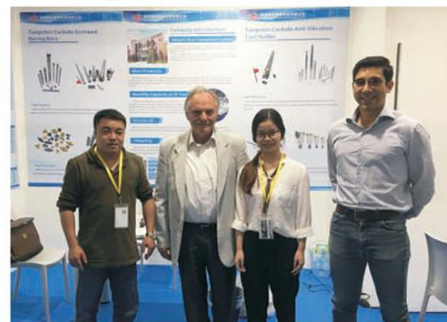
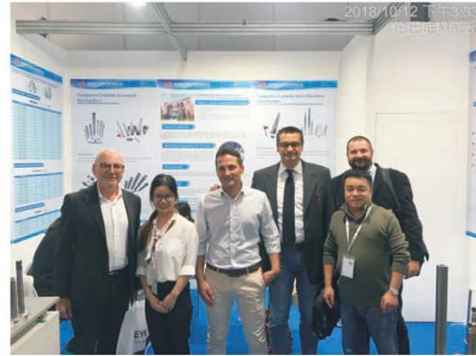
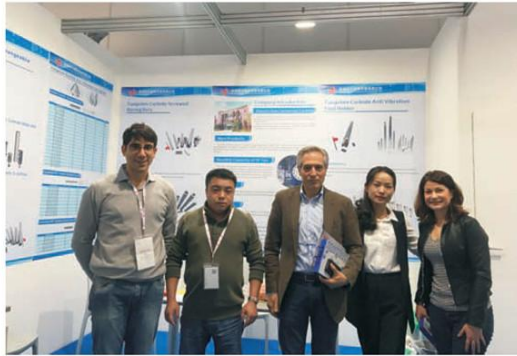
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Our Exhibitions



Company Qualification 公司资质



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REFINEMENT 求精

INNOVATION 求新

SERVICE 重服务

RELY ON TECHNOLOGY TO CREATE OUR BRAND

靠技术创名牌



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